Name:

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Geometry, Period

Due Date: Thu, 2 Oct 2014

**Geometry**

**Homework**



**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

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| --- | --- | --- | --- | --- |
| **Example 1:** A triangle is located in the (x,y) coordinate plane. The vertices of triangle ABC are A(4, 1), B(-7, 2) and C(0, 5). What are the coordinates for the midpoint of AB? | | | | |
| **Goal**  **(what’s the goal?)** | **Required**  **(list givens)** | **Analysis**  **(what do you need? How will you solve?)** | **Solve** | **Paraphrase**  **(check: does your answer make sense?)** |
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| 2) A median of a triangle is a line segment from one vertex to the midpoint of the opposite side. For example, A is a vertex and AE is the line segment that bisects BC.  Find the coordinate of each midpoint created by each median (D, E, and F). | **G:** |  |
| **R:** |  |
| **A:** |  |
| **S:** |  |
| **P:** |  |

**Unit 2 Review! (Quiz Friday, Unit Test Tuesday)**

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| Use the description of a number line below to answer questions 3 – 6. Sketch the number line below before answering the questions.  *On a number line, point W is located at 3, X is located at –5, Y is located at –16, and Z is located at 11.* | |
| 3. What is the distance, in coordinate units, between points *W* and *Z*? | 4. What is the distance, in coordinate units, between points *Y* and *Z*? |
| 5. How much longer is *WY* than *XZ*? | 6. How much longer is *YZ* than *WX*? |
| 7. Which of the following best describes the points  P, Q, and R?   1. The points P, Q, and R are collinear 2. The points P, Q, and R are non-collinear 3. The points P, Q, and R are on the plane R   Description: http://image.tutorvista.com/Qimages/QD/50323.gif   1. I only 2. II only 3. I, II, and III 4. III only | 8. Use the diagram below.    Name all the points on plane *P* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    Name all the points on plane *R* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name 3 collinear points \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name 3 non-collinear points \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |